

1 **Amendment to the Claims**

2 **In the Claims:**

3 Please amend Claims 1, 2, 14, 15, and 21 as follows:

4 1. (Currently Amended) A computer-implemented method for automatically formatting a  
5 table to reflect a change in a visual appearance of a decorative panel that comprises a plurality of  
6 separate but visually related regions defined by the table, so that the table is formatted in regard to all  
7 visually related regions affected by the change in the visual appearance as a function of at least one  
8 attribute of an element of the table corresponding to the change in the visual appearance, comprising  
9 the steps of:

10 (a) detecting the change in the visual appearance of the decorative panel that  
11 comprises a plurality of separate but visually related regions defined by the table;

12 (b) associating the visual appearance of the decorative panel with at least one  
13 element of the table;

14 (c) determining a revision to the at least one attribute of the at least one element of  
15 the table corresponding to the change in the visual appearance of the decorative panel; and

16 (d) automatically applying the revision to the at least one attribute of the at least  
17 one element of the table so as to modify any other region affected by the change in ~~the~~ a manner  
18 consistent with the change in the visual appearance of the decorative panel.

19 2. (Currently Amended) The method of Claim 1, further comprising the step of confirming  
20 that the revision results in a table defining [[a]] the decorative panel corresponding to the decorative  
21 panel, which has been changed, and that the decorative panel conforms to at least one of a plurality of  
22 predefined patterns.

23 3. (Original) The method of Claim 1, wherein the table comprises a hypertext markup  
24 language (HTML) table.

25 4. (Original) The method of Claim 1, further comprising the step of enabling a user to  
26 change the visual appearance of the decorative panel through one of:

27 (a) a graphical user interface (GUI); and

28 (b) a document object model (DOM) using a scripting language.

29 ///

30 ///

1           5. (Original) The method of Claim 1, wherein the change in the visual appearance of the  
2 decorative panel comprises one of resizing the decorative panel, adding a region to the decorative  
3 panel, deleting a region from the decorative panel, relocating a region within the decorative panel,  
4 resizing a region of the decorative panel, and revising a visual characteristic of a region of the  
5 decorative panel.

6           6. (Original) The method of Claim 1, wherein the step of associating the visual appearance  
7 of the decorative panel with the at least one element of the table comprises the steps of:

8                   (a)     defining a database storing a plurality of:

9                           (i)     properties of the decorative panel; and

10                          (ii)    relationships between the properties of the decorative panel;

11                   (b)     mapping the plurality of properties of the decorative panel to a plurality of  
12 defined attributes for a plurality of defined elements comprising a table that conforms to  
13 specifications of a standard software language; and

14                   (c)     determining the at least one element mapped to the visual appearance of the  
15 decorative panel that was changed.

16           7. (Original) The method of Claim 6, wherein the step of defining a database comprises the  
17 steps of:

18                   (a)     defining a hierarchical partition tree of nodes specifying coordinates of a  
19 location and bounding area of the regions of the decorative panel; and

20                   (b)     defining a property container comprising a property list that corresponds to a  
21 predefined visual structure of the decorative panel.

22     ///

23     ///

24     ///

25     ///

26     ///

27     ///

28     ///

29     ///

30     ///

1           8. (Previously Presented) The method of Claim 1, wherein the step of determining a revision  
2 comprises the steps of:

3               (a)     determining at least one region of the decorative panel that is affected by the  
4 change to the visual appearance of the decorative panel, as a function of predefined relationships  
5 among the regions of the decorative panel, thereby identifying at least one affected region;

6               (b)     determining a change in a value for each affected region as a function of the  
7 predefined relationships and as a function of the change in the visual appearance of the decorative  
8 panel;

9               (c)     associating the at least one affected region with the at least one element of the  
10 table;

11              (d)     associating the visual appearance of the decorative panel with the at least one  
12 attribute of the at least one element of the table; and

13              (e)     determining a change in a value of the at least one attribute for each of the at  
14 least one element of the table, thereby determining the revision to the attribute of the at least one  
15 element.

16           9. (Previously Presented) The method of Claim 8, further comprising one of the steps of:

17               (a)     automatically creating the visual appearance of the decorative panel by  
18 associating a generated image with the at least one element of the table; and

19               (b)     enabling the user to associate a selected image with the at least one element of  
20 the table.

21           10. (Original) The method of Claim 1, wherein the step of automatically applying the  
22 revision comprises the step of generating the formatting of the table with the at least one attribute  
23 incorporated into the at least one element, so that the formatting of the table conforms to  
24 specifications of a standard software language.

25           11. (Original) The method of Claim 2, wherein the step of confirming comprises the steps of:

26               (a)     applying a plurality of inference rules to the formatting of the table, wherein  
27 the plurality of inference rules define patterns of regions; and

28               (b)     determining whether the formatting of the table conforms to at least one of the  
29 plurality of patterns of regions.

30     ///

1           12. (Original) The method of Claim 1, further comprising the step of indicating that the table  
2 is no longer associated with the decorative panel if the revision will not result in a formatting of the  
3 table providing a decorative panel conforming to at least one of the plurality of patterns of regions.

4           13. (Original) A memory medium on which are stored machine instructions for carrying out  
5 the steps of Claim 1.

6           14. (Currently Amended) A system for automatically formatting a table to reflect a change in  
7 a visual appearance of a decorative panel that comprises a plurality of separate but visually related  
8 regions defined by the table, so that formatting of the table is modified in regard to all visually related  
9 regions affected by the change in the visual appearance as a function of at least one attribute of an  
10 element of the table corresponding to the change in visual appearance, comprising:

11                   (a)     a processor;  
12                   (b)     a display in communication with the processor and displaying the decorative  
13 panel; and

14                   (c)     a memory in communication with the processor and storing machine  
15 instructions that cause the processor to carry out a plurality of functions, including:

16                           (i)     detecting the change in the visual appearance of the decorative panel  
17 that comprises a plurality of separate but visually related regions defined by the table when the visual  
18 appearance of the decorative panel is changed;

19                           (ii)    associating the visual appearance of the decorative panel with at least  
20 one element of the table;

21                           (iii)   determining a revision to the at least one attribute of the at least one  
22 element of the table, corresponding to the change in the visual appearance of the decorative panel;  
23 and

24                           (iv)    automatically applying the revision to the at least one attribute of the at  
25 least one element of the table so as to modify any other region affected by the change in ~~the~~ a manner  
26 consistent with the change in the visual appearance of the decorative panel.

27           15. (Currently Amended) The system of Claim 14, where the machine instructions further  
28 cause the processor to perform the function of confirming that the revision results in a table defining  
29 [[a]] the decorative panel corresponding to the decorative panel which has been changed, and that the  
30 decorative panel conforms to at least one of a plurality of predefined patterns.

1           16. (Original) The system of Claim 14, where the machine instructions further cause the  
2 processor to perform the functions of:

- 3                   (a)     defining a database storing a plurality of:  
4                           (i)     properties of the decorative panel; and  
5                           (ii)    relationships between the properties of the decorative panel;  
6                   (b)     mapping the plurality of properties of the decorative panel to a plurality of  
7 defined attributes for a plurality of defined elements comprising a table that conforms to  
8 specifications of a standard software language; and  
9                   (c)     determining the at least one element mapped to the visual appearance of the  
10 decorative panel that was changed.

11           17. (Original) The system of Claim 16, where the machine instructions further cause the  
12 processor to perform the functions of:

- 13                   (a)     defining a hierarchical partition tree of nodes specifying coordinates of a  
14 location and bounding area of the regions of the decorative panel; and  
15                   (b)     defining a property container comprising a property list that corresponds to a  
16 predefined visual structure of the decorative panel.

17 ///

18 ///

19 ///

20 ///

21 ///

22 ///

23 ///

24 ///

25 ///

26 ///

27 ///

28 ///

29 ///

30 ///

1           18. (Previously Presented) The system of Claim 14, where the machine instructions further  
2 cause the processor to perform the functions of:

3                   (a)     determining at least one region of the decorative panel that is affected by the  
4 change to the visual appearance of the decorative panel, as a function of predefined relationships  
5 among the regions of the decorative panel, thereby identifying at least one affected region;

6                   (b)     determining a change in a value for each affected region as a function of the  
7 predefined relationships and as a function of the change in the visual appearance of the decorative  
8 panel;

9                   (c)     associating the at least one affected region with the at least one element of the  
10 table;

11                   (d)     associating the visual appearance of the decorative panel with the at least one  
12 attribute of the at least one element of the table; and

13                   (e)     determining a change in a value of the at least one attribute for each of the at  
14 least one element of the table, thereby determining the revision to the attribute of the at least one  
15 element.

16           19. (Previously Presented) The system of Claim 18, where the machine instructions further  
17 cause the processor to perform one of the functions of:

18                   (a)     automatically creating the visual appearance of the decorative panel by  
19 associating a generated image with the at least one element of the table; and

20                   (b)     enabling the user to associate a selected image with the at least one element of  
21 the table.

22           20. (Original) The system of Claim 16, where the machine instructions further cause the  
23 processor to perform the functions of:

24                   (a)     applying a plurality of inference rules to the formatting of the table, wherein  
25 the plurality of inference rules define patterns of regions; and

26                   (b)     determining whether the formatting of the table conforms to at least one of the  
27 plurality of patterns of regions.

28 ///

29 ///

30 ///

1           21. (Currently Amended) A computer-implemented method for automatically formatting a  
2 plurality of cells of a table in a Web document responsive to a change in visual appearance of a  
3 decorative panel comprising a plurality of regions mapped to the plurality of cells of the table,  
4 comprising the steps of:

5           (a) enabling a user to change the visual appearance of the decorative panel  
6 comprising the plurality of regions mapped to the plurality of cells of the table with a Web document  
7 design tool by changing only one component of the decorative panel;

8           (b) detecting the change to the one component;

9           (c) determining at least one related region that has a visual relationship to the one  
10 component that was changed;

11           (d) determining a change to the at least one related region as a function of the  
12 visual relationship of the at least one related region to the one component and as a function of the  
13 change in the one component; and

14           (e) automatically applying:

15           (i) the change to an attribute of a cell that is mapped to the one region; and

16           (ii) the change to the attribute of each cell that is mapped to each related  
17 region, thereby creating a formatted table.

18           22. (Original) The method of Claim 21, further comprising the step of confirming that the  
19 formatted table corresponds to a decorative panel conforming to at least one of a plurality of  
20 predefined patterns of the plurality of regions.  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30